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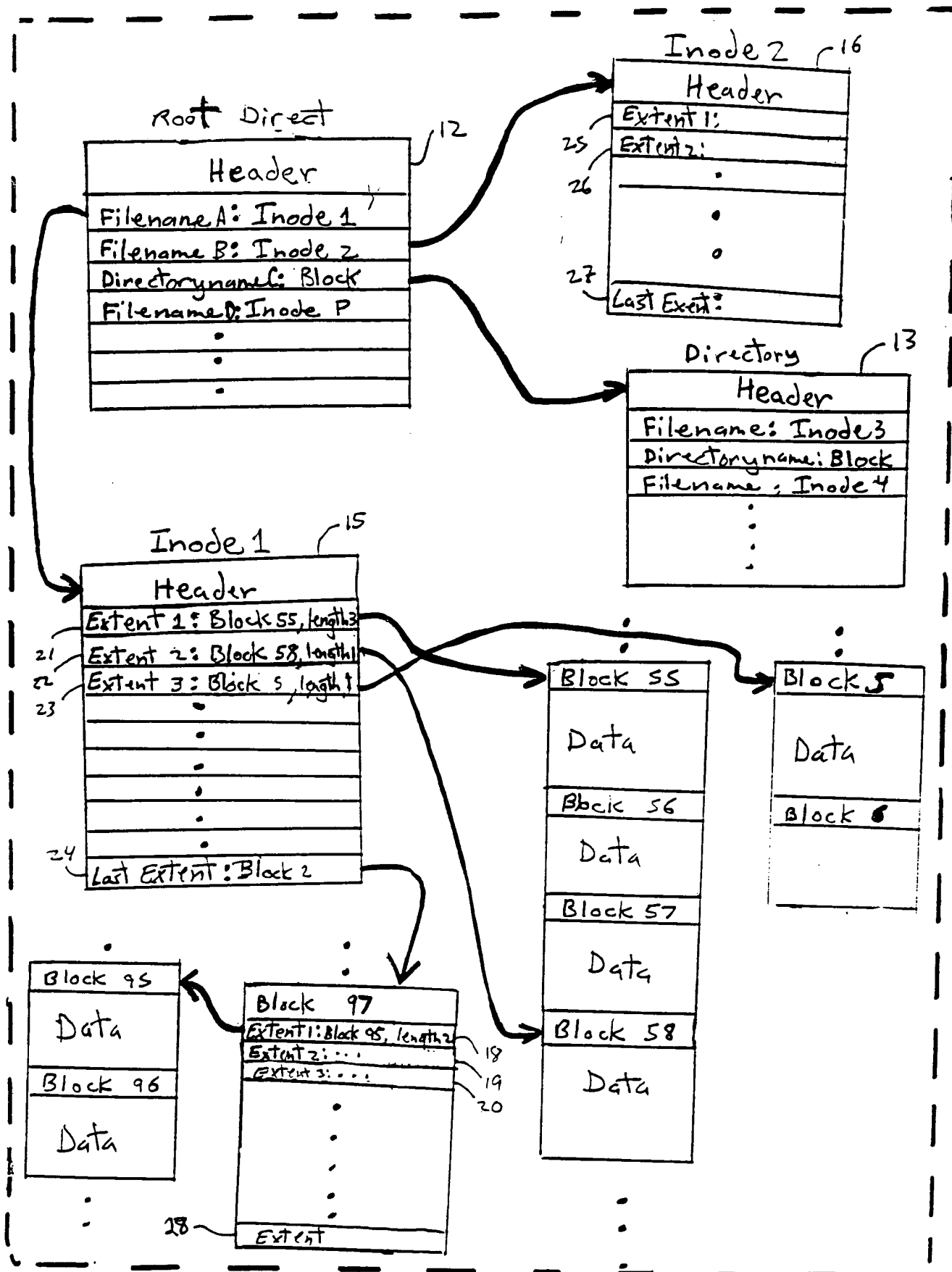


FIG. 1 (Prior art)

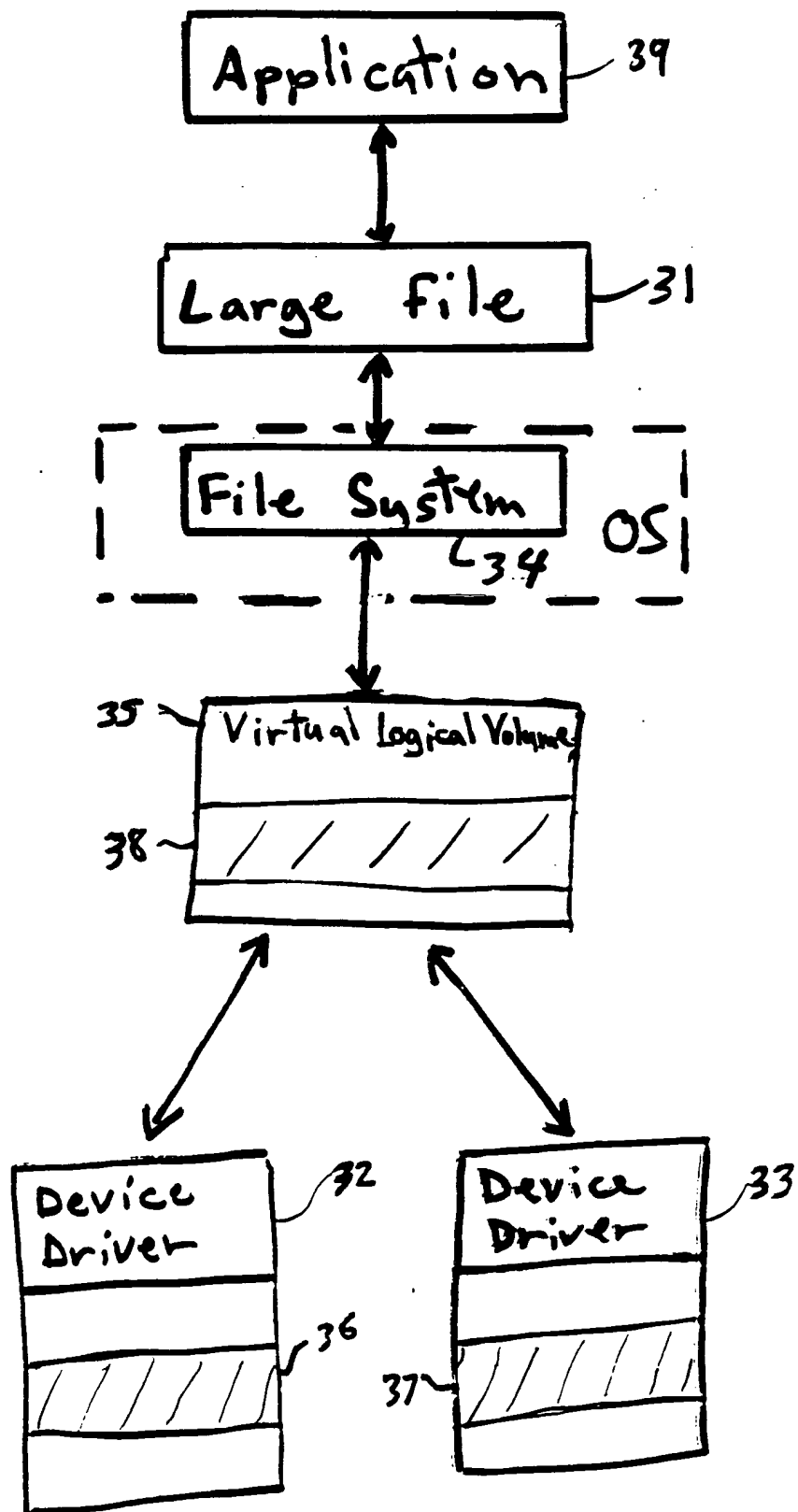
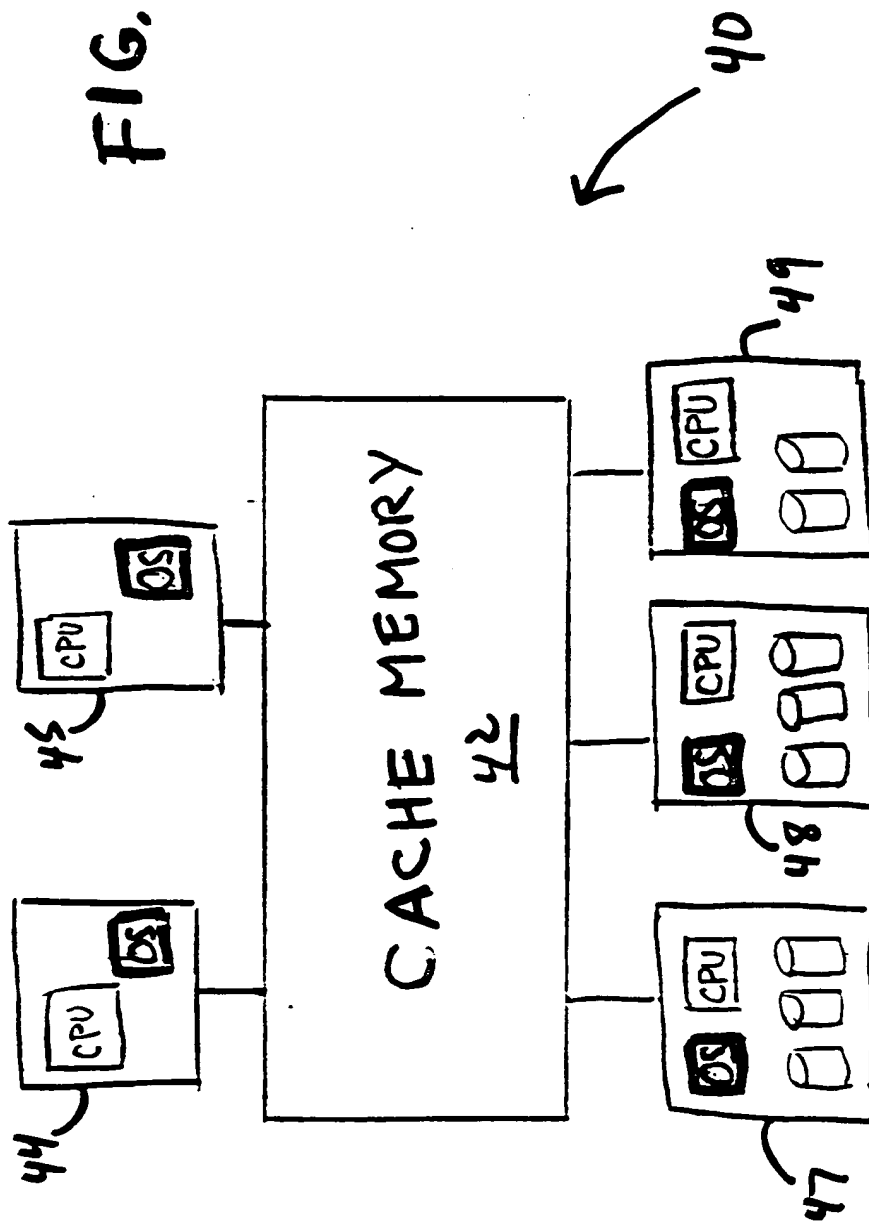


FIG. 2
(prior art)

FIG. 3



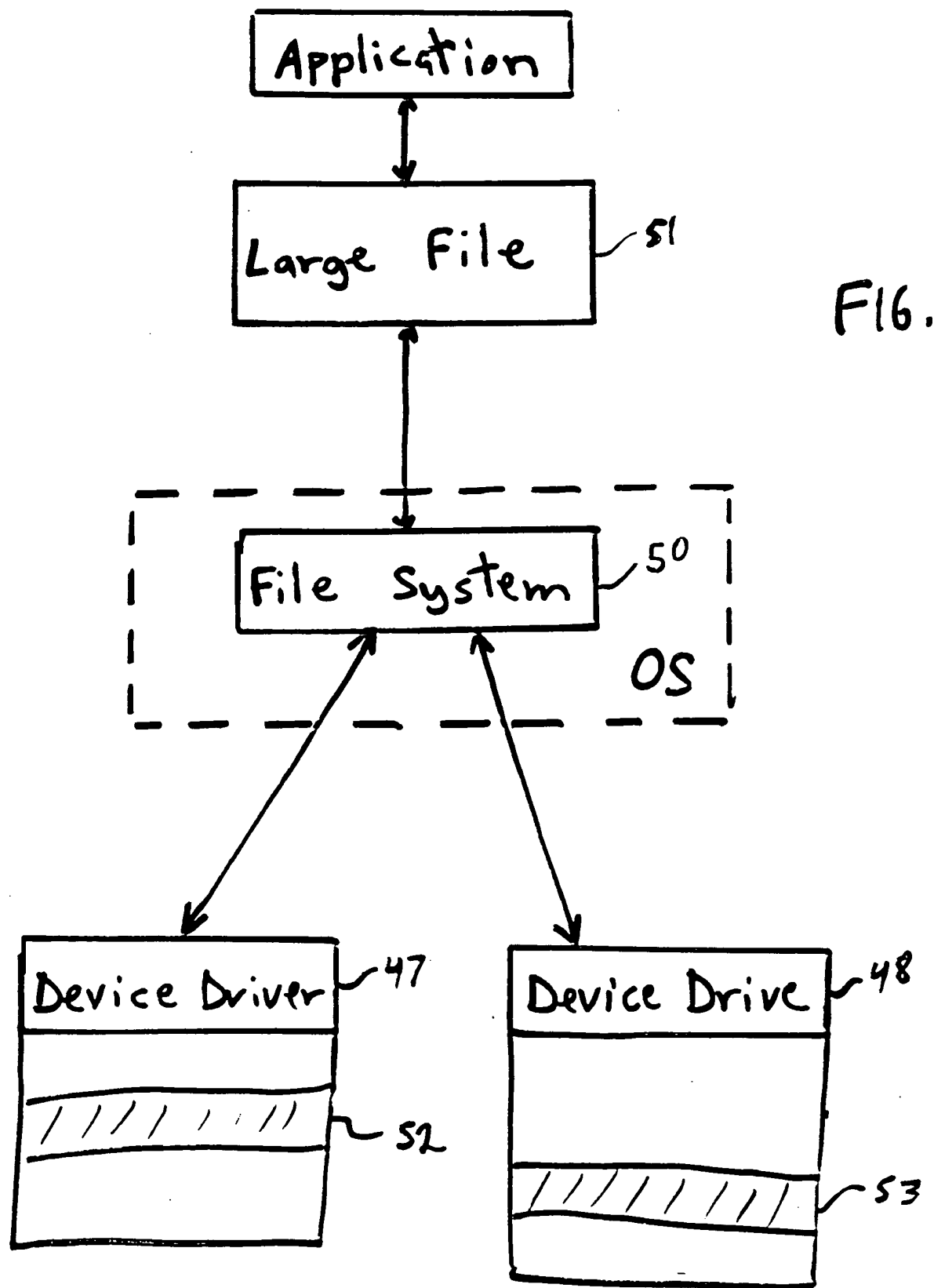


FIG. 4

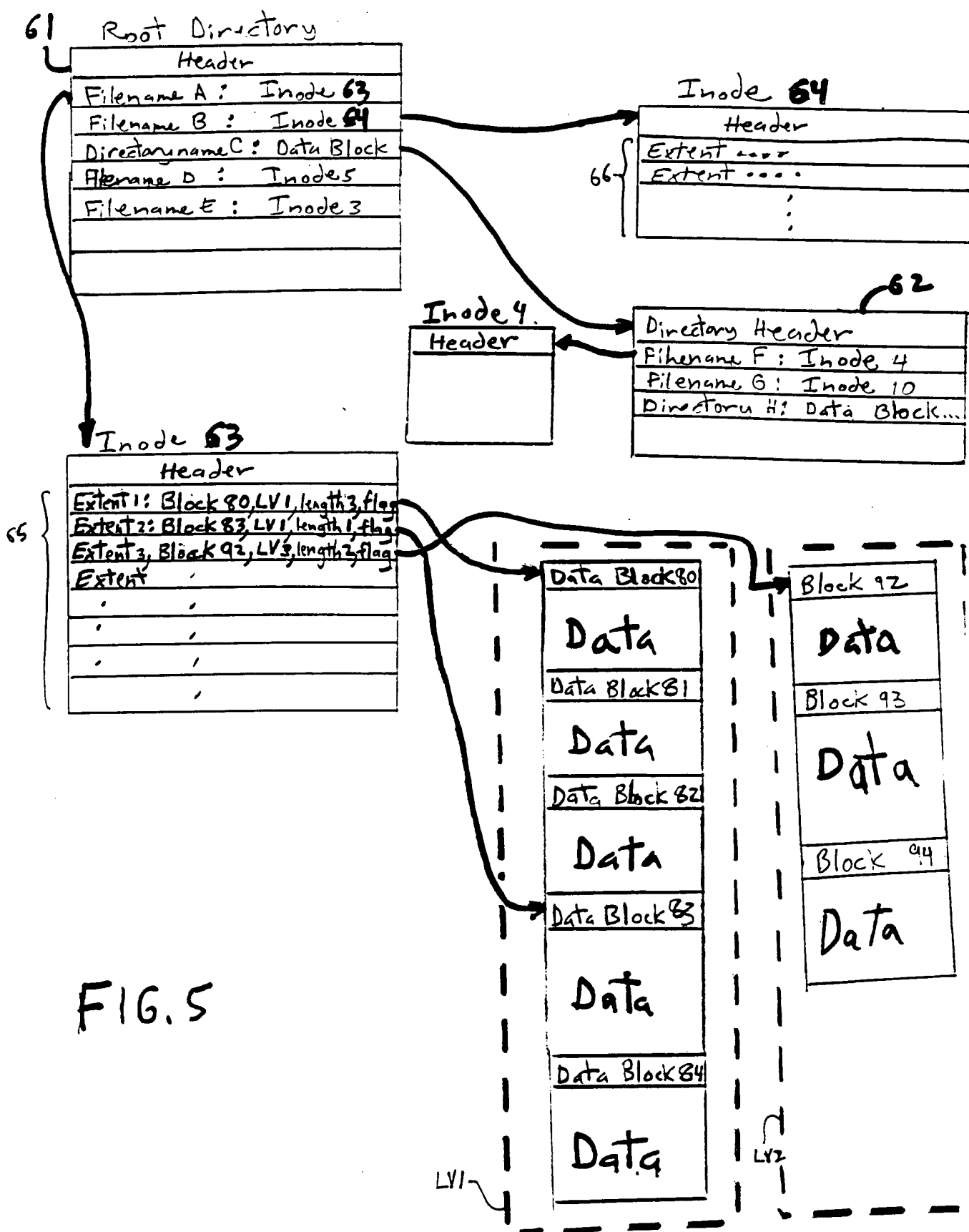


FIG. 5

FIG. 5A

$$\text{Extent} = \underbrace{\{\text{start address pointer}\}}_{6 \text{ bytes}}, \underbrace{\{\text{length}\}}_{4 \text{ bytes}}, \underbrace{\{\text{flags}\}}_{2 \text{ bytes}}$$

FIG. 6B

FIG. 6B

Start address = { Block pointer, Logical Volume pointer }

4 bytes 2 bytes

$$= \{\text{Number of data blocks}\}$$
$$\text{flags} = \{ \text{locked; zeroed; } \underbrace{\text{hole, direct, or indirect}}_{\text{selection}} \}$$

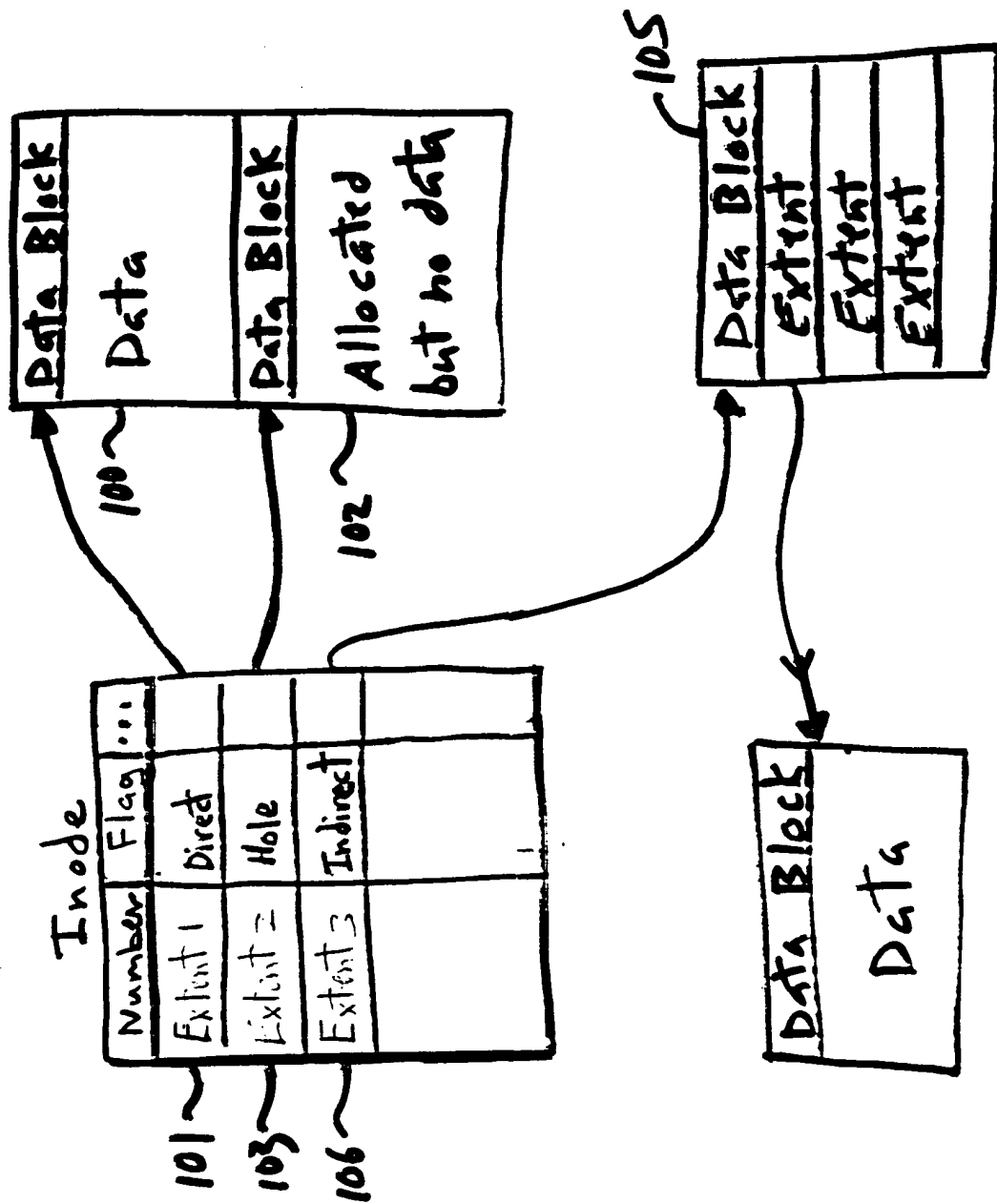


FIG. 7

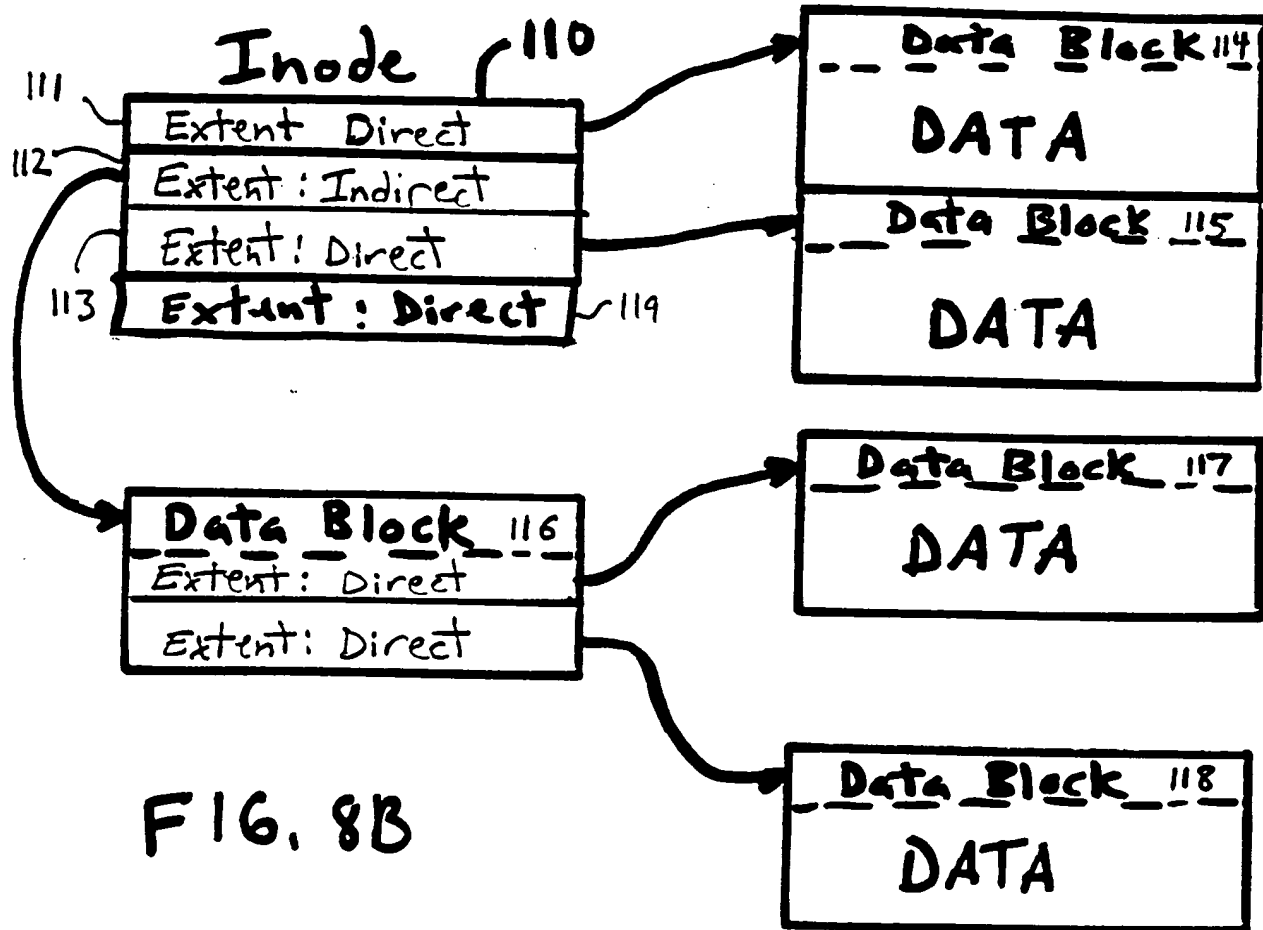


FIG. 8B

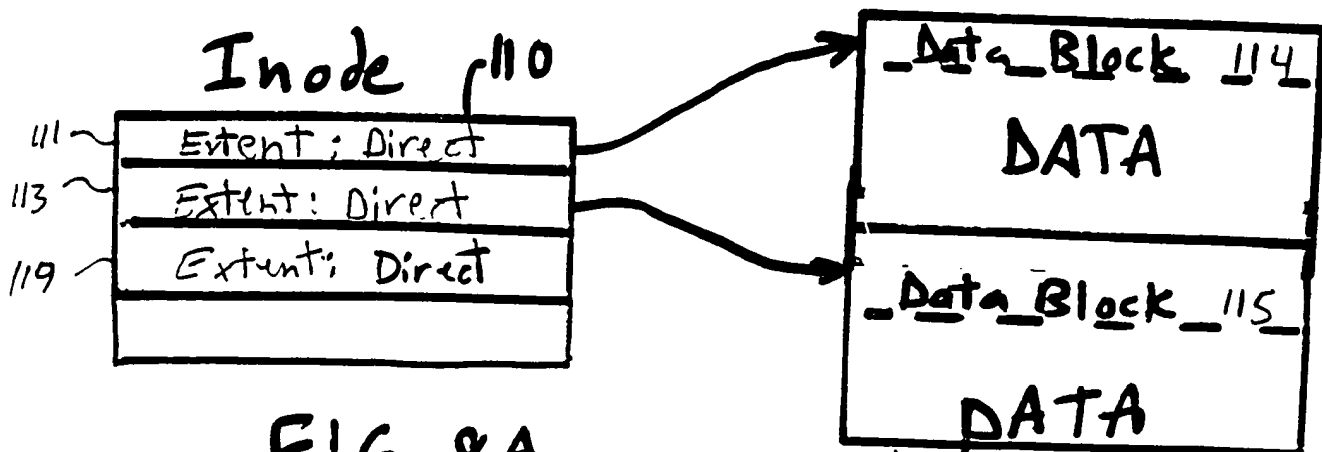


FIG. 8A

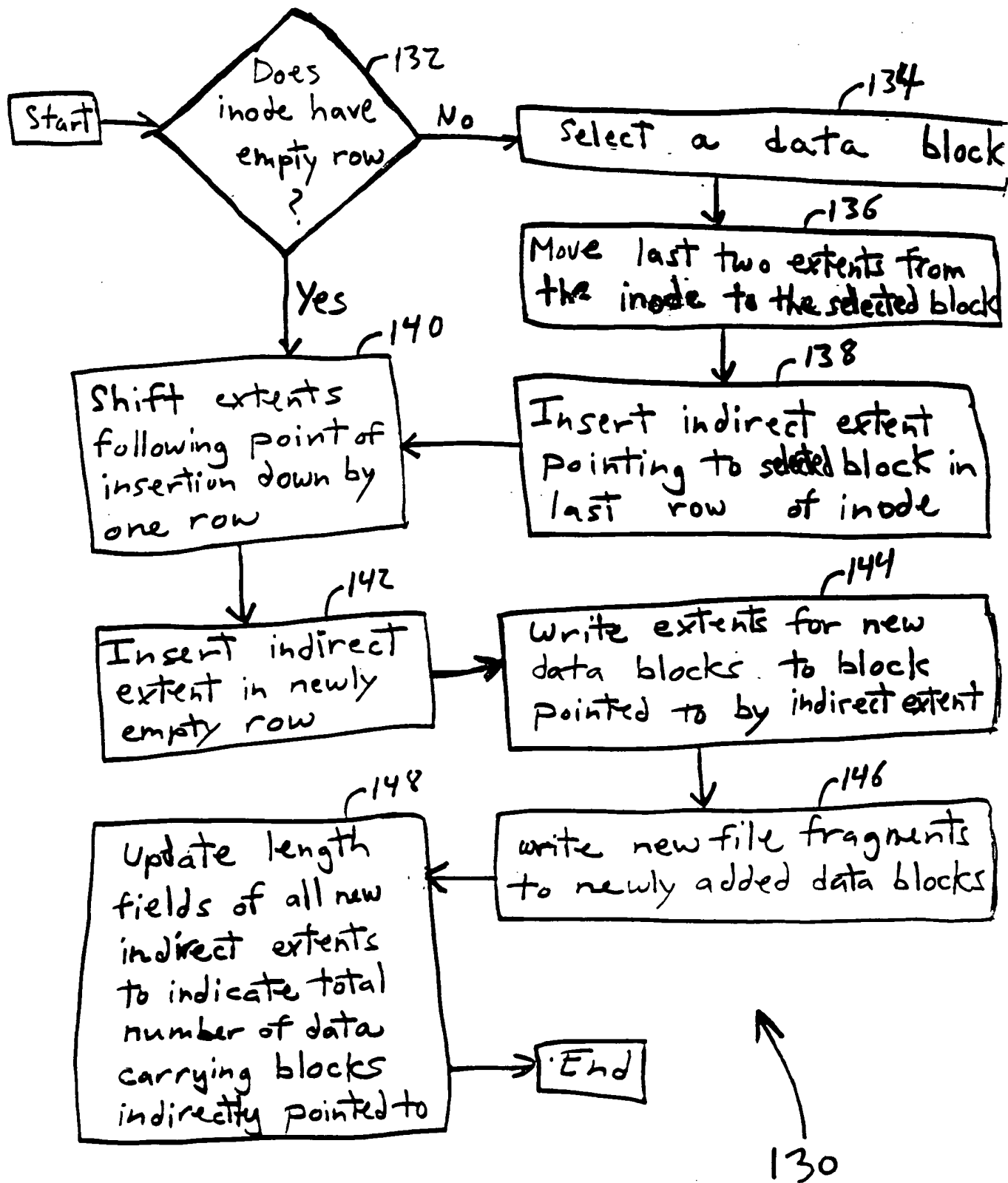


FIG. 8c

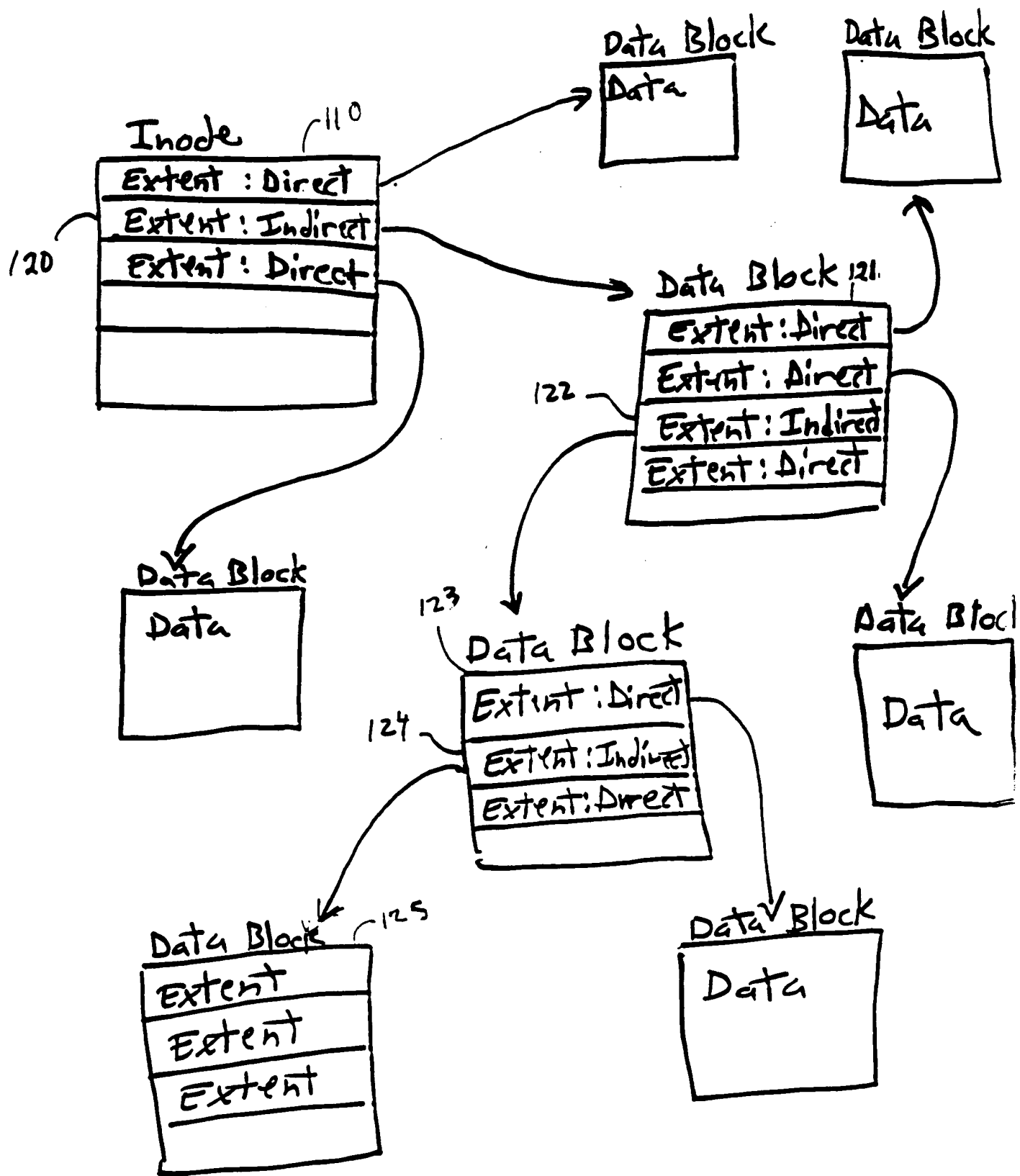


FIG. 7

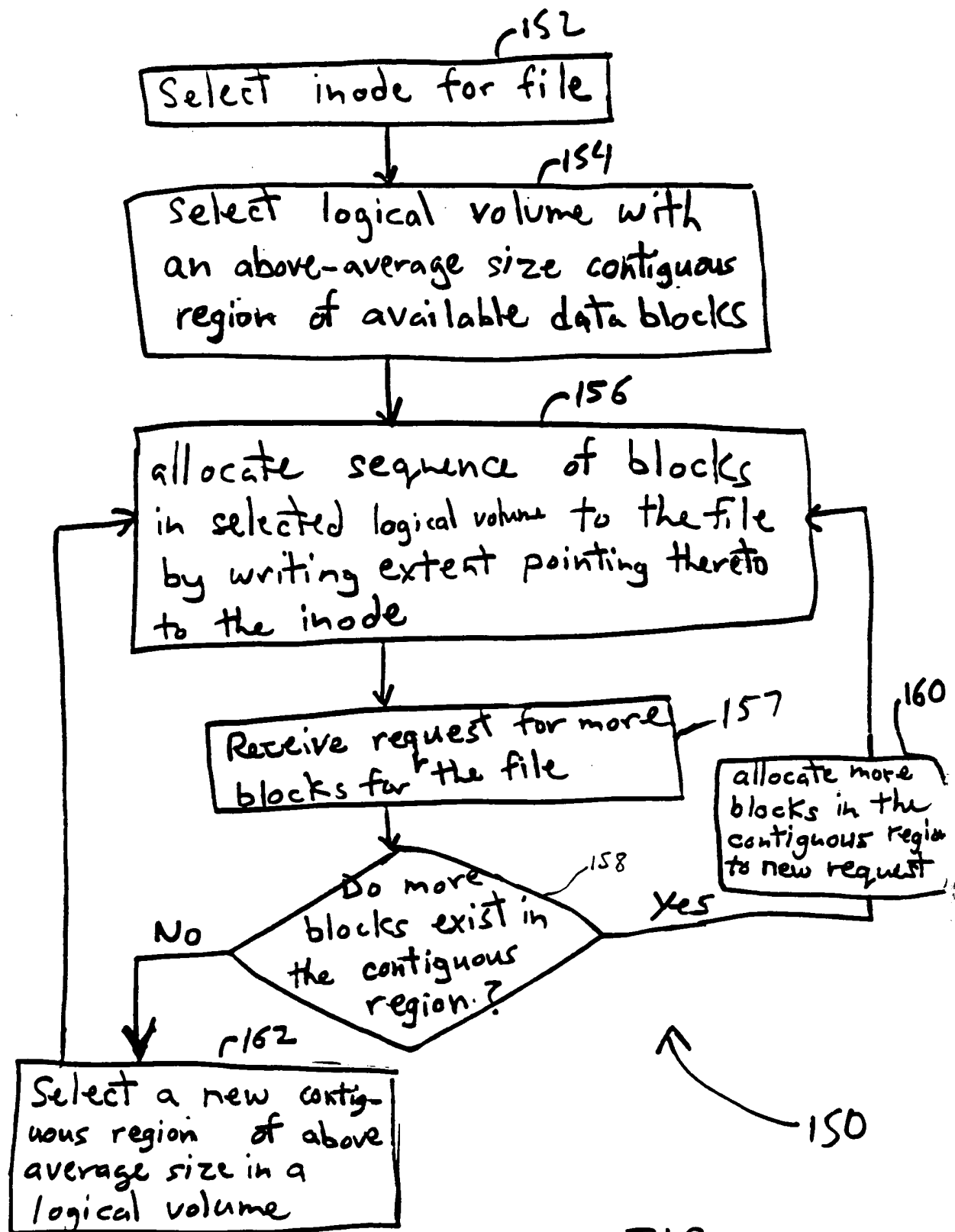


FIG. 10

FIG. 11

